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Alberta

MAY 17 1985

PETROLEUM MARKETING COMMISSION

403/262-8808
Telex: 03-821978
1900, 250 - 6th Avenue S.W.
Calgary, Alberta, Canada
T2P 3H7

January 31, 1983.

INFORMATION BULLETIN RE ALBERTA COST OF SERVICE

The Alberta Cost of Service Information Bulletin for the month of December, 1982 is attached.

The Information Bulletin consists of:

1. Copies of any special Orders or Determinations issued by the Commission during the month with respect to Alberta Cost of Service, and notice of any Statements of Objection which have been received during the month; and

2. Alberta Cost of Service Determinations for the month.

In the case of gas intended to be removed from Alberta, the cost of service determined under Section 11(1), 15(3)(a) and 15(5)(b)(i) of the Natural Gas Pricing Agreement Act for each month is based on estimated figures for that month, adjusted to allow for differences between the estimated and actual figures for the previous month.

In the case of gas intended for consumption within Alberta, the amount estimated as cost of service under Sections 11(2)(a)(ii) and 15(3)(b)(i) of the Act were made under the Commission's general directive for the Alberta cost of service.

All determinations are on gross or higher heating value on a dry basis at 15°C and an absolute pressure of 101.325 kPa (kilopascal).

Yours very truly,

ALBERTA PETROLEUM MARKETING COMMISSION

R. H. PURDY
Vice-Chairman

Attachment

INFORMATION BULLETIN
ALBERTA COST OF SERVICE DETERMINATION
PURSUANT TO THE NATURAL GAS PRICING AGREEMENT ACT
MONTH OF DECEMBER, 1982

Section 15(3)(a)	Cents Per Gigajoule (GJ) *
Alberta and Southern Gas Co. Ltd.	
- signatory (except as amended by the attached addendum)	31.476
- non-signatory	35.157
Canadian Montana Gas Company Limited	
- Produced Gas	126.476
- Purchased Gas	123.209
Consolidated Natural Gas Limited	27.788
Many Islands Pipe Line (Canada) Limited	
- Purchased Gas	25.115
- North Sibbald (Agent)	4.762
- Saddle Lake	28.511
- Esther	11.067
Pan-Alberta Gas Ltd.	
- Basic	30.902
- Delivery Points - Granor	42.981
- Leige	43.110
- Saleski	43.020
- Lovet Creek	32.324
- Bear River	32.847
- Blue Jay	52.624
Progas Limited	30.920
Sulpetro Limited	26.207
TransCanada PipeLines Limited	
- Category A	49.199
- Category B	49.598
- Category D	28.050
- Category E	31.343
Westcoast Transmission Company	
- Husky Oil Ltd.	29.967
- Petrogas Processing Ltd. et al	28.628
Westcoast Transmission Company (Alberta) Limited	
- North	48.390
- Triassic E	.474
Section 15(3)(b)	27.000

Notes

* Calculated on a gross and dry heating value basis at 101.325 kpa (kilopascal) and 15°C.

Notice

The price adjustment for gas is $0.970 00/GJ
The Alberta Border Price is $2.167 64/GJ

STATEMENT OF:
ALBERTA AND SOUTHERN GAS CO. LTD.
EAST TOWER, ESSO PLAZA
425 FIRST STREET S.W.
CALGARY, ALBERTA T2P 3L8

Alberta and Southern Gas Company Ltd.
Addendum to the December 1982 Costs of Service for Signatory

YEAR MONTH CODE: 82 12

DELIVERY POINT DESC. AND CODE		PRODUCER NAME AND CODE		VOLUME	ENERGY	COS	AMOUNT
BIGORAY (NUL)	0001	AMOCO CANADA PETROLEUM COMPANY LTD.	060	3,176.9	131,915	0.31285	41,269.61
BIGORAY (NUL)	0001	CANADA-CITIES SERVICE, LTD.	062	1,014.6	42,131	0.31285	13,180.68
BIGORAY (NUL)	0001	FELMONT OIL CORPORATION	P01	76.4	3,172	0.31285	992.36
BIGORAY (NUL)	0001	NORCEN ENERGY RESOURCES LIMITED	031	890.6	36,981	0.31285	11,569.50
BIGORAY (NUL)	0001	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	116.3	4,831	0.31285	1,511.38
BIGORAY (NUL)	0001	PETRO-CANADA EXPLORATION INC.	246	432.5	17,959	0.31285	5,618.46
BIGORAY (NUL)	0001	TEXACO CANADA RESOURCES LTD.	017	442.7	18,381	0.31285	5,750.50
BIGORAY Q (NUL)	0002	NORCEN ENERGY RESOURCES LIMITED	031	519.7	22,704	0.31285	7,102.95
BIGORAY NISKU (NUL)	0003	AMOCO CANADA PETROLEUM COMPANY LTD.	060	105.4	4,695	0.31285	1,468.83
BIGORAY NISKU (NUL)	0003	CANADA-CITIES SERVICE, LTD.	062	105.4	4,695	0.31285	1,468.83
BIGORAY NISKU (NUL)	0003	CHEVRON STANDARD LIMITED	045	664.3	29,595	0.31285	9,258.80
BIGORAY NISKU (NUL)	0003	J. M. HUBER CORPORATION	069	237.0	10,558	0.31285	3,303.07
BIGORAY NISKU (NUL)	0003	PLACER DEVELOPMENT LIMITED	098	59.2	2,638	0.31285	825.29
BIGORAY NISKU (NUL)	0003	J. M. HUBER CORPORATION	069	532.9	23,741	0.31285	7,427.37
KEVIS SOUTH	1019	CANARK PETROLEUM, INC.	N97	752.7	29,057	0.31285	9,090.49
KEVIS SOUTH	1019	LADD EXPLORATION COMPANY	H92	1,839.5	71,007	0.31285	22,214.54
SYLVAN LAKE WEST	1055	LINCOLN-MCKAY DEVELOPMENT COMPANY LTD.	365	246.6	10,093	0.31285	3,157.59
SYLVAN LAKE WEST	1055	LINCOLN-MCKAY DEVELOPMENT COMPANY LTD.	365	60.4	2,379	0.31285	744.27
RETLAW	1057	FROBISHER PETROLEUMS LTD.	N92	224.1	8,601	0.31285	2,690.82
GARRINGTON	1082	CANADIAN SUPERIOR OIL LTD.	025	3.3	135	0.31281	42.23
GARRINGTON	1082	DEKALB PETROLEUM CORPORATION	305	395.4	16,177	0.31285	5,060.97
GARRINGTON	1082	OAKWOOD PETROLEUMS LTD.	011	22.2	908	0.31285	284.07
GARRINGTON	1082	HOME OIL COMPANY LIMITED	006	10.6	432	0.31285	135.15
GARRINGTON	1082	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	1,532.6	62,708	0.31285	19,618.20
GARRINGTON	1082	SHELL CANADA RESOURCES LIMITED	T03	170.4	6,972	0.31285	2,181.19
GARRINGTON	1082	TOTAL PETROLEUMS (NORTH AMERICA) LTD.	096	56.3	2,304	0.31285	720.80
GARRINGTON	1082	HOME OIL COMPANY LIMITED	006	2.6	107	0.31290	33.46
GARRINGTON	1082	HARBOUR PETROLEUM COMPANY LIMITED	A87	23.7	970	0.31285	303.46
GARRINGTON	1082	CANADIAN SUPERIOR OIL LTD.	025	43.1	1,763	0.31285	551.56
GARRINGTON	1082	CANADIAN RESERVE OIL AND GAS LTD.	071	4.4	182	0.31286	56.94
GARRINGTON	1082	CANADIAN SUPERIOR OIL LTD.	025	95.0	3,886	0.31285	1,215.74
GARRINGTON	1082	HOME OIL COMPANY LIMITED	006	148.4	6,072	0.31285	1,899.63
GARRINGTON	1082	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	250.8	10,263	0.31285	3,210.78
GARRINGTON	1082	MOBIL OIL CANADA, LTD.	057	11.3	460	0.31285	143.91
ARRINGTON	1082	NEW YORK OILS LIMITED (N.P.L.)	207	17.8	730	0.31285	228.38

STATEMENT OF:
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EAST TOWER, ESSO PLAZA
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YEAR MONTH CODE
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DELIVERY POINT DESC. AND CODE		PRODUCER NAME AND CODE		VOLUME	ENERGY	COS	AMOUNT
GARRINGTON	1082	SHELL CANADA RESOURCES LIMITED	T03	2.5	101	0.31287	31.60
BRAZEAU SOUTH	1096	CHEVRON CANADA LIMITED	045	220.2	8,823	0.31285	2,760.28
BRAZEAU SOUTH	1096	ESSO RESOURCES CANADA LIMITED	007	652.1	26,130	0.31285	8,174.77
BRAZEAU SOUTH	1096	MOBIL OIL CANADA, LTD.	057	652.2	26,130	0.31285	8,174.77
BRAZEAU SOUTH	1096	PEMBINA RESOURCES LIMITED	158	110.1	4,411	0.35157	1,550.78
RICINUS	1135	CHEVRON STANDARD LIMITED	045	1,184.5	44,187	0.31285	13,823.90
RICINUS	1135	CHEVRON STANDARD LIMITED	045	4,779.1	181,930	0.31285	56,916.81
KILLAM	1162	CANADIAN SUPERIOR OIL LTD.	025	380.3	14,406	0.31285	4,506.92
HARMATTAN-ELKTON	1166	NORCEN ENERGY RESOURCES LIMITED	031	4,492.6	187,497	0.31285	58,658.44
HARMATTAN-ELKTON	1166	GULF CANADA RESOURCES INC.	002	3,992.3	166,617	0.31285	52,126.12
HARMATTAN-ELKTON	1166	HARRY BASS OIL COMPANY	027	889.1	37,106	0.31285	11,608.61
HARMATTAN-ELKTON	1166	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	5,083.4	212,153	0.31285	66,372.07
BENTON	1175	DORCHESTER EXPLORATION, INC.	N37	883.6	33,061	0.31285	10,349.39
HARMATTAN EAST	1178	NORCEN ENERGY RESOURCES LIMITED	031	11,294.7	450,298	0.31285	140,875.73
HARMATTAN EAST	1178	GULF CANADA RESOURCES INC.	002	1,168.4	46,582	0.31285	14,573.18
HARMATTAN EAST	1178	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	793.8	31,647	0.31285	9,900.76
HARMATTAN EAST	1178	PETRO-CANADA VENTURES.	218A	693.9	27,664	0.31285	8,654.68
STROME-HOLMBERG	1179	PANTHER RESOURCES LTD.	R51	624.6	23,864	0.31285	7,465.85
STROME-HOLMBERG	1179	FRANCANA OIL & GAS LTD.	231	99.6	3,804	0.31285	1,190.08
STROME-HOLMBERG	1179	KLINE OIL COMPANY LTD.	L54	43.7	1,667	0.31286	521.53
STROME-HOLMBERG	1179	INTER-CITY GAS CORPORATION	059	126.6	4,838	0.31285	1,513.57
STROME-HOLMBERG	1179	79902 RESOURCES LIMITED	360	31.1	1,189	0.31285	371.67
STROME-HOLMBERG	1179	STAR OIL & GAS LTD.	346	39.9	1,523	0.31285	476.47
STROME-HOLMBERG	1179	FRANCANA OIL & GAS LTD.	231	192.4	7,561	0.31285	2,365.46
STROME-HOLMBERG	1179	79902 RESOURCES LIMITED	360	48.0	1,834	0.31285	573.77
STROME-HOLMBERG	1179	INTER-CITY GAS CORPORATION	059	181.3	6,932	0.31285	2,168.68
STROME-HOLMBERG	1179	SULPETRO LIMITED	040	10.7	409	0.31284	127.95
STROME-HOLMBERG	1179	OAKWOOD PETROLEUMS LTD.	011	102.0	3,900	0.31285	1,220.12
STROME-HOLMBERG	1179	LACANA PETROLEUM LIMITED	J78	26.0	993	0.31285	310.66
STROME-HOLMBERG	1179	FRANCANA OIL & GAS LTD.	231	901.4	34,476	0.31285	10,785.82
STROME-HOLMBERG	1179	SHELTER HYDROCARBONS LIMITED	86A	64.8	2,478	0.31285	775.24
STROME-HOLMBERG	1179	KLINE OIL COMPANY LTD.	L54	702.1	26,847	0.31285	8,399.08
STROME-HOLMBERG	1179	SOVEREIGN OIL & GAS LIMITED	K49	22.3	853	0.31285	266.86
STROME-HOLMBERG	1179	STAR OIL & GAS LTD.	346	132.7	5,073	0.31285	1,587.09
ENHOLD	1180	CEJA CORPORATION	L12	862.1	35,802	0.31285	11,200.66

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STATEMENT OF:
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425 FIRST STREET S.W.
CALGARY, ALBERTA T2P 3L8

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DELIVERY POINT DESC. AND CODE		PRODUCER NAME AND CODE		VOLUME	ENERGY	COS	AMOUNT
PENHOLD	1180	LARIO OIL + GAS COMPANY	M50	268.5	11,152	0.31285	3,488.90
PENHOLD	1180	CEJA CORPORATION	L12	127.7	5,303	0.31285	1,659.04
PENHOLD	1180	BP EXPLORATION CANADA LIMITED	C39	29.5	1,225	0.31285	383.24
PENHOLD	1180	CDC OIL & GAS LIMITED	C52	44.3	1,840	0.31285	575.65
PENHOLD	1180	CEJA CORPORATION	L12	59.6	2,475	0.31285	774.30
PENHOLD	1180	LARIO OIL + GAS COMPANY	M50	27.0	1,121	0.31285	350.70
PENHOLD	1180	SHELL CANADA RESOURCES LIMITED	T03	86.5	3,593	0.31285	1,124.07
PENHOLD	1180	HARVARD INTERNATIONAL RESOURCES	AF4	44.3	1,840	0.31285	575.65
SYLVAN LAKE EAST	1187	STAR OIL & GAS LTD.	346	2,514.8	106,400	0.31285	33,287.24
TWINING	1190	ARCTIC PETROCON LTD.	46A	2,457.9	104,731	0.31285	32,765.09
TWINING	1190	PELCO PETROLEUM CORPORATION	24A	5,354.5	228,156	0.31285	71,378.60
TWINING	1190	BUMPER DEVELOPMENT CORPORATION LTD.	M13	5,354.5	228,156	0.31285	71,378.60
SYLVAN LAKE SOUTH	1191	CZAR RESOURCES LTD.	P49	152.5	6,298	0.31285	1,970.33
SYLVAN LAKE SOUTH	1191	DOME PETROLEUM LIMITED	005	3.9	161	0.31286	50.37
SYLVAN LAKE SOUTH	1191	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	C38	29.0	1,198	0.31285	374.79
SYLVAN LAKE SOUTH	1191	PANCANADIAN PETROLEUM LIMITED	026	7.7	318	0.31286	99.49
SYLVAN LAKE SOUTH	1191	RESMAN HOLDINGS LTD.	L30	3.8	157	0.31287	49.12
SYLVAN LAKE SOUTH	1191	SCEPTRE RESOURCES LIMITED	AF3	71.6	2,957	0.31285	925.10
SYLVAN LAKE SOUTH	1191	CANADIAN SUPERIOR OIL LTD.	025	1,061.8	43,849	0.31285	13,718.16
SYLVAN LAKE SOUTH	1191	GENERAL AMERICAN OILS LTD	L31	14,703.0	607,238	0.31285	189,974.41
SYLVAN LAKE SOUTH	1191	QUASAR PETROLEUM LTD.	K90	2,728.0	112,669	0.31285	35,248.50
EDSON SOUTH	1195	DENISON MINES LIMITED	C49	444.7	18,983	0.31285	5,938.83
EDSON SOUTH	1195	SABINE CANADA LTD.	L27	543.6	23,205	0.31285	7,259.69
BOWMANTON SOUTH	1204	BARLOW BROS. LTD.	31A	1,519.5	55,751	0.31285	17,441.70
BOWMANTON SOUTH	1204	BARLOW DEVELOPMENT LTD.	45A	2,127.4	78,052	0.31285	24,418.57
BOWMANTON SOUTH	1204	JETHRO DEVELOPMENT LTD.	43A	1,519.5	55,752	0.31285	17,442.02
BOWMANTON SOUTH	1204	LINCOLN-MCKAY DEVELOPMENT COMPANY LTD.	365	2,127.3	78,052	0.31285	24,418.57
BOWMANTON SOUTH	1204	I.XL INDUSTRIES	294	3,646.9	133,803	0.31285	41,860.26
BOWMANTON SOUTH	1204	UNI-GAS RESOURCES LIMITED	44A	1,215.6	44,601	0.31285	13,953.42
CYGNET LAKE	1226	DOME PETROLEUM LIMITED	005	1,192.0	51,317	0.31285	16,054.52
BENALTO	1238	GULCH RESOURCES LTD.	M98	41.5	1,859	0.31285	581.59
BENALTO	1238	COSEKA RESOURCES LIMITED	N17	41.6	1,864	0.31285	583.15
BENALTO	1238	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	C38	99.6	4,462	0.31285	1,395.94
BENALTO	1238	SABINE CANADA LTD.	L27	63.6	2,849	0.31285	891.31
BENALTO	1238	QUASAR PETROLEUM LTD.	K90	346.1	15,505	0.31285	4,850.74

STATEMENT OF:
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DELIVERY POINT DESC. AND CODE		PRODUCER NAME AND CODE		VOLUME	ENERGY	COS	AMOUNT
MEDICINE HAT NORTH NO. 4	1240	DOME PETROLEUM LIMITED	C05	1,205.5	43,912	0.31285	13,737.87
DAPP EAST	1279	BRINCO OIL & GAS LIMITED	N77	217.2	8,313	0.31285	2,600.72
FITZALLAN SOUTH	1300	THE VANDERBILT COMPANIES	N13	172.5	6,567	0.31285	2,054.48
GRAINGER	1352	ARCTIC PETROCON LTD.	46A	1,525.9	63,447	0.31285	19,849.40
GRAINGER	1352	BELCO PETROLEUM CORPORATION	24A	6,926.5	288,004	0.31285	90,102.05
GRAINGER	1352	BUMPER DEVELOPMENT CORPORATION LTD.	M13	6,926.6	288,008	0.31285	90,103.30
EDSON NORTH	1367	APL OIL & GAS LTD.	280	408.9	17,872	0.31285	5,591.25
EDSON NORTH	1367	DENISON MINES LIMITED	D49	739.0	32,303	0.31285	10,105.99
EDSON NORTH	1367	SABINE CANADA LTD.	L27	911.6	39,847	0.31285	12,466.13
ACADIA VALLEY	1424	BLUESKY OIL & GAS LTD.	P34	251.3	9,274	0.31285	2,901.37
ACADIA VALLEY	1424	POCO PETROLEUM LTD.	L61	331.2	12,223	0.35157	4,297.24
ACADIA VALLEY	1424	PALOMA PETROLEUM LTD.	C31	23.4	863	0.31285	269.99
ACADIA VALLEY	1424	PETRODYNE LTD.	L26	354.3	13,073	0.35157	4,596.08
ACADIA VALLEY	1424	PETROMARK MINERALS LTD.	P74	314.6	11,609	0.31285	3,631.87
ACADIA VALLEY	1424	TOTAL PETROLEUMS (NORTH AMERICA) LTD.	D96	183.5	6,770	0.31285	2,117.99
ACADIA VALLEY	1424	UNION GAS LIMITED	R66	183.5	6,771	0.31285	2,118.31
LITTLE SUNDANCE	1494	DENISON MINES LIMITED	D49	529.1	21,830	0.31285	6,829.51
LITTLE SUNDANCE	1494	SABINE CANADA LTD.	L27	777.6	32,082	0.31285	10,036.86
COLEMAN	2003	COSEKA RESOURCES LIMITED	N17	10,699.1	402,306	0.31285	125,861.43
WATERTON NO. 1.	2004	SHELL CANADA RESOURCES LIMITED	T03	147,723.2	6,139,559	0.31285	1,920,761.03
WILDCAT HILLS	2005	GULF CANADA RESOURCES INC.	C02	11,187.9	443,161	0.31285	138,642.92
WILDCAT HILLS	2005	GULF CANADA RESOURCES INC.	C02	821.1	32,524	0.31285	10,175.13
WILDCAT HILLS	2005	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	C39	2,576.7	102,064	0.31285	31,930.72
WILDCAT HILLS	2005	ESSO RESOURCES CANADA LIMITED	C07	6,320.8	250,369	0.31285	78,327.94
WILDCAT HILLS	2005	ESSO RESOURCES CANADA LIMITED	C07	2,552.4	101,103	0.31285	31,630.08
WILDCAT HILLS	2005	PETRO-CANADA VENTURES.	218A	2,552.4	101,103	0.31285	31,630.08
WILDCAT HILLS	2005	PETRO-CANADA VENTURES.	218A	6,320.8	250,369	0.31285	78,327.94
WILDCAT HILLS	2005	SHELL CANADA RESOURCES LIMITED	T03	16,757.1	663,783	0.31285	207,664.51
CROSSFIELD	2008	AMOCO CANADA PETROLEUM COMPANY LTD.	060	6,047.7	242,777	0.31285	75,952.79
CROSSFIELD	2008	CANADIAN RESERVE OIL AND GAS LTD.	D71	1,102.1	44,243	0.31285	13,841.43
CROSSFIELD	2008	CANADIAN SUPERIOR OIL LTD.	C25	4,239.9	170,206	0.31285	53,248.94
CROSSFIELD	2008	CDC OIL & GAS LIMITED	R52	7,746.5	310,970	0.31285	97,286.96
CROSSFIELD	2008	GULF CANADA RESOURCES INC.	C02	1,477.1	59,297	0.31285	18,551.07
CROSSFIELD	2008	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	C38	627.1	25,177	0.31285	7,876.62
CROSSFIELD	2008	ESSO RESOURCES CANADA LIMITED	C07	1,191.4	47,826	0.31285	14,962.36

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DELIVERY POINT DESC. AND CODE		PRODUCER NAME AND CODE		VOLUME	ENERGY	COS	AMOUNT
CROSSFIELD	2008	NORCEN ENERGY RESOURCES LIMITED	031	1,585.3	63,639	0.31285	19,909.46
CROSSFIELD	2008	PETRO-CANADA VENTURES.	218A	1,565.9	62,860	0.31285	19,665.75
CROSSFIELD	2008	SHELL CANADA RESOURCES LIMITED	T03	15,808.3	634,606	0.31285	198,536.49
CROSSFIELD	2008	SUNCOR INC.	054	418.2	16,787	0.31285	5,251.81
CROSSFIELD	2008	THE PADCON HUGHES DEVELOPMENT CO. LTD.	D74	369.0	14,813	0.31285	4,634.25
CROSSFIELD	2008	UNION OIL COMPANY OF CANADA LIMITED	028	432.9	17,377	0.31285	5,436.39
CROSSFIELD	2008	UNION OIL COMPANY OF CANADA LIMITED	028	1,010.0	40,547	0.31285	12,685.13
CROSSFIELD	2008	CANADIAN SUPERIOR OIL LTD.	025	44.1	1,772	0.31285	554.37
CROSSFIELD	2008	POW VALLEY INDUSTRIES LTD.	243	599.8	24,078	0.31285	7,532.81
CROSSFIELD	2008	BP EXPLORATION CANADA LIMITED	039	764.5	30,689	0.31285	9,601.05
CROSSFIELD	2008	PLACER DEVELOPMENT LIMITED	098	60.6	2,434	0.31285	761.48
CROSSFIELD	2008	CANADIAN SUPERIOR OIL LTD.	025	242.5	9,734	0.31285	3,045.28
CROSSFIELD	2008	SULPETRO LIMITED	040	229.2	9,201	0.31285	2,876.54
CROSSFIELD	2008	GILLELAND, MRS. LOUISE	30A	347.1	13,933	0.35157	4,898.43
CROSSFIELD	2008	NORCEN ENERGY RESOURCES LIMITED	031	305.9	12,282	0.31285	3,842.42
CROSSFIELD	2008	GULF CANADA RESOURCES INC.	002	817.9	32,834	0.31285	10,272.12
CROSSFIELD	2008	HOME OIL COMPANY LIMITED	006	930.2	37,339	0.31285	11,681.51
CROSSFIELD	2008	PEMBINA RESOURCES LIMITED	158	599.8	24,079	0.35157	8,465.45
CROSSFIELD	2008	SCURRY-RAINBOW OIL LIMITED	015	964.2	38,706	0.31285	12,109.17
CROSSFIELD	2008	SHELL CANADA RESOURCES LIMITED	T03	30.3	1,217	0.31285	380.74
CROSSFIELD	2008	BARBARA COLLINS SLATER	62A	345.1	13,852	0.35157	4,869.95
CROSSFIELD	2008	TEXACO CANADA RESOURCES LTD.	017	201.0	8,071	0.31285	2,525.01
CROSSFIELD	2008	C.R. ZIMMERMAN, J.E. ZIMMERMAN & M.E.GEY	61A	345.1	13,852	0.35157	4,869.95
CROSSFIELD	2008	SABINE CANADA LTD.	L27	2,763.8	111,753	0.38715	43,264.74
CROSSFIELD	2008	MOBIL OIL CANADA, LTD.	057	248.9	9,990	0.38715	3,867.59
CROSSFIELD	2008	NORCEN ENERGY RESOURCES LIMITED	031	2,420.8	97,179	0.38717	37,624.46
CROSSFIELD	2008	SHELL CANADA RESOURCES LIMITED	T03	1,400.0	56,204	0.38715	21,759.65
CROSSFIELD	2008	TEXACO CANADA RESOURCES LTD.	017	950.2	38,144	0.38715	14,767.63
CROSSFIELD	2008	GENERAL AMERICAN OILS LTD	L31	489.1	19,634	0.31285	6,142.49
WESTEROSE SOUTH	2009	CHEVRON STANDARD LIMITED	045	12,722.2	512,838	0.31285	160,441.37
WESTEROSE SOUTH	2009	GULF CANADA RESOURCES INC.	002	16,696.5	673,048	0.31285	210,563.07
WESTEROSE SOUTH	2009	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	1,211.1	48,820	0.31285	15,273.33
WESTEROSE SOUTH	2009	HUSKY OIL OPERATIONS LTD.	086	3,637.4	146,627	0.31285	45,872.26
WESTEROSE SOUTH	2009	PETRO-CANADA EXPLORATION INC.	246	3,637.4	146,626	0.31285	45,871.94
WESTEROSE SOUTH	2009	DRUMMOND OIL & GAS LTD.	L87	638.5	25,737	0.31285	8,051.82

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WESTEROSE SOUTH	2009	CHEVRON STANDARD LIMITED	045	568.0	21,934	0.31285	6,862.06
WESTEROSE SOUTH	2009	DOME PETROLEUM LIMITED	005	750.2	28,969	0.31285	9,062.95
WESTEROSE SOUTH	2009	ESSO RESOURCES CANADA LIMITED	007	226.5	8,746	0.31285	2,736.19
WESTEROSE SOUTH	2009	NORCEN ENERGY RESOURCES LIMITED	031	299.0	11,547	0.31285	3,612.48
WESTEROSE SOUTH	2009	PETRO-CANADA EXPLORATION INC.	246	382.7	14,778	0.31285	4,623.29
WESTEROSE SOUTH	2009	PETRO-CANADA VENTURES.	218A	765.4	29,555	0.31285	9,246.28
WESTEROSE SOUTH	2009	PETRO-CANADA VENTURES.	218A	718.1	27,730	0.31285	8,675.33
WESTEROSE SOUTH	2009	SHELL CANADA RESOURCES LIMITED	T03	10,073.6	388,995	0.31285	121,697.08
WESTEROSE SOUTH	2009	TEXACO CANADA RESOURCES LTD.	017	1,716.4	66,278	0.34252	22,701.52
MINNEHIK-BUCK LAKE	2010	AMERADA MINERALS CORPORATION OF CANADA L	001	3,961.3	166,239	0.31285	52,007.88
MINNEHIK-BUCK LAKE	2010	AMOCO CANADA PETROLEUM COMPANY LTD.	060	1,122.7	47,116	0.31285	14,740.24
MINNEHIK-BUCK LAKE	2010	PETRO-CANADA EXPLORATION INC.	246	4,222.4	177,192	0.31285	55,434.52
MINNEHIK-BUCK LAKE	2010	BP EXPLORATION CANADA LIMITED	039	1,655.7	69,480	0.31285	21,736.82
MINNEHIK-BUCK LAKE	2010	CANADIAN SUPERIOR OIL LTD.	025	3,041.9	127,654	0.31285	39,936.56
MINNEHIK-BUCK LAKE	2010	SULPETRO LIMITED	040	4,452.4	186,847	0.31285	58,455.08
MINNEHIK-BUCK LAKE	2010	NORCEN ENERGY RESOURCES LIMITED	031	14,260.0	598,423	0.36010	215,491.14
MINNEHIK-BUCK LAKE	2010	GULF CANADA RESOURCES INC.	002	1,600.4	67,163	0.31285	21,011.95
MINNEHIK-BUCK LAKE	2010	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	1,787.0	74,992	0.31285	23,461.25
MINNEHIK-BUCK LAKE	2010	ESSO RESOURCES CANADA LIMITED	007	3,041.5	127,637	0.31285	39,931.24
MINNEHIK-BUCK LAKE	2010	SABRE PETROLEUMS LTD.	K20	225.9	9,479	0.31285	2,965.51
MINNEHIK-BUCK LAKE	2010	SHELL CANADA RESOURCES LIMITED	T03	1,655.7	69,480	0.31285	21,736.82
MINNEHIK-BUCK LAKE	2010	TEXACO CANADA RESOURCES LTD.	017	803.6	33,722	0.31285	10,549.93
MINNEHIK-BUCK LAKE	2010	WESTMIN RESOURCES LIMITED	062	366.2	15,368	0.31285	4,807.88
MINNEHIK-BUCK LAKE	2010	ANR PRODUCTION COMPANY	AK5	366.2	15,368	0.31285	4,807.88
ALDER FLATS	2011	DOME PETROLEUM LIMITED	005	211.6	9,112	0.31285	2,850.69
WINDFALL	2012	AMOCO CANADA PETROLEUM COMPANY LTD.	060	17,972.0	726,061	0.31285	227,148.19
WINDFALL	2012	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	17,971.9	726,061	0.31285	227,148.19
WINDFALL	2012	PETRO-CANADA ENTERPRISES INC.	218A	7,188.8	290,424	0.31285	90,859.15
KAYBOB	2013	CHAMPLIN PETROLEUM COMPANY	236	782.5	32,844	0.31285	10,275.25
KAYBOB	2013	CHEVRON STANDARD LIMITED	045	9,203.3	378,061	0.31285	118,276.39
KAYBOB	2013	GULF CANADA RESOURCES INC.	002	8,203.2	337,904	0.31285	105,713.27
KAYBOB	2013	PETRO-CANADA EXPLORATION INC.	246	4,579.4	188,898	0.31285	59,096.74
KAYBOB	2013	TEXACO CANADA RESOURCES LTD.	017	81.4	3,239	0.31285	1,013.33
KAYBOB	2013	TOTAL PETROLEUMS (NORTH AMERICA) LTD.	C96	302.0	12,489	0.31285	3,907.19
KAYBOB	2013	AMERADA MINERALS CORPORATION OF CANADA L	001	478.9	19,826	0.31285	6,202.56

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KAYBOB	2013	AMOCO CANADA PETROLEUM COMPANY LTD.	060	299.7	11,926	0.31285	3,731.04
KAYBOB	2013	BP EXPLORATION CANADA LIMITED	039	960.7	38,227	0.31285	11,959.31
KAYBOB	2013	BP EXPLORATION CANADA LIMITED	039	54.8	2,181	0.31285	682.32
KAYBOB	2013	BP EXPLORATION CANADA LIMITED	039	54.8	2,181	0.31285	682.32
KAYBOB	2013	CANADIAN SUPERIOR OIL LTD.	025	977.5	38,899	0.31285	12,169.55
KAYBOB	2013	SULPETRO LIMITED	040	440.5	17,529	0.31285	5,483.95
KAYBOB	2013	CHEVRON STANDARD LIMITED	045	2,129.6	87,704	0.31285	27,438.20
KAYBOB	2013	GULF CANADA RESOURCES INC.	002	850.6	35,225	0.31285	11,020.14
KAYBOB	2013	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	180.8	7,852	0.31285	2,456.50
KAYBOB	2013	ABERFORD RESOURCES LTD.	010	580.3	23,093	0.31285	7,224.64
KAYBOB	2013	PETRO-CANADA EXPLORATION INC.	246	1,086.8	44,800	0.31285	14,015.68
KAYBOB	2013	SHELL CANADA RESOURCES LIMITED	T03	153.2	6,532	0.31285	2,043.53
KAYBOB	2013	GETTY OIL (CANADA), LTD.	255	143.6	5,713	0.31285	1,787.31
KAYBOB	2013	UNION OIL COMPANY OF CANADA LIMITED	028	109.6	4,361	0.31285	1,364.34
KAYBOB	2013	CONWEST PETROLEUM CORPORATION	AE7	0.9	34	0.31294	10.64
WILLESDEN GREEN	2014	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	129.1	5,569	0.31285	1,742.26
WILLESDEN GREEN	2014	TEXACO CANADA RESOURCES LTD.	017	2,477.1	106,863	0.31265	33,432.09
WILLESDEN GREEN	2014	MOBIL OIL CANADA, LTD.	057	15.4	679	0.31286	212.43
WILLESDEN GREEN	2014	MURPHY OIL COMPANY LTD.	063	188.5	8,305	0.31285	2,598.22
WILLESDEN GREEN	2014	PANCANADIAN PETROLEUM LIMITED	026	153.9	6,781	0.31285	2,121.44
WILLESDEN GREEN	2014	ORBIT OIL & GAS LTD.	AF6	38.4	1,692	0.31285	529.35
WILLESDEN GREEN	2014	ENTEX PETROLEUMS LTD.	F29	87.7	3,864	0.31285	1,208.85
WILLESDEN GREEN	2014	SUNDANCE OIL COMPANY	////	224.4	9,681	0.31285	3,028.70
FERRIER	2016	HUNT OIL COMPANY	331	1,793.1	77,713	0.31285	24,312.51
FERRIER	2016	PETRO-CANADA EXPLORATION INC.	246	270.2	11,710	0.31285	3,663.47
FERRIER	2016	PETRO-CANADA EXPLORATION INC.	246	221.0	9,578	0.31285	2,996.48
FERRIER	2016	PETRO-CANADA EXPLORATION INC.	246	530.6	22,996	0.31285	7,194.30
FERRIER	2016	PETRO-CANADA VENTURES.	218A	23.1	1,001	0.31286	313.17
CARSON CREEK	2018	AMOCO CANADA PETROLEUM COMPANY LTD.	060	1,736.5	70,800	0.31285	22,149.78
CARSON CREEK	2018	CANADA-CITIES SERVICE, LTD.	062	37.0	1,508	0.31285	471.78
CARSON CREEK	2018	MOBIL OIL CANADA, LTD.	057	33,928.3	1,383,277	0.31285	432,758.21
CARSON CREEK	2018	PETRO-CANADA EXPLORATION INC.	246	41.9	1,708	0.31285	534.35
CARSON CREEK	2018	PETRO-CANADA EXPLORATION INC.	246	575.5	23,465	0.31285	7,341.02
OPEN CREEK	2019	TEXACO CANADA RESOURCES LTD.	017	1,929.8	82,212	0.31285	25,720.02
WILSON CREEK	2019	ADECO DRILLING AND ENGINEERING CO. LTD.	N84	40.2	1,715	0.31285	536.54

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WILSON CREEK	2019	AMERADA MINERALS CORPORATION OF CANADA L	001	1,751.5	74,611	0.31285	23,342.05
WILSON CREEK	2019	CANADIAN SUPERIOR OIL LTD.	025	1,013.8	43,187	0.31285	13,511.05
WILSON CREEK	2019	DYCO PETROLEUM CORPORATION	040	40.2	1,715	0.31285	536.54
WILSON CREEK	2019	ESSO RESOURCES CANADA LIMITED	007	872.1	37,151	0.31285	11,622.69
WILSON CREEK	2019	LUSCAR LTD.	099	1,147.3	48,874	0.31285	15,290.23
KAYBOB SOUTH	2020	CHEVRON STANDARD LIMITED	045	7,797.6	316,612	0.31285	99,052.07
KAYBOB SOUTH	2020	GULF CANADA RESOURCES INC.	002	3,053.6	117,569	0.31285	36,781.46
KAYBOB SOUTH	2020	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	4,403.1	166,069	0.31285	51,954.69
KAYBOB SOUTH	2020	UNION OIL COMPANY OF CANADA LIMITED	028	4,403.1	166,065	0.31285	51,953.44
KAYBOB SOUTH	2020	AMOCO CANADA PETROLEUM COMPANY LTD.	060	317.5	12,709	0.31285	3,976.01
KAYBOB SOUTH	2020	MUSKETEER ENERGY LTD.	064	25.5	1,019	0.31286	318.80
KAYBOB SOUTH	2020	BP EXPLORATION CANADA LIMITED	039	12.0	481	0.31285	150.48
KAYBOB SOUTH	2020	CHAMPLIN PETROLEUM COMPANY	236	144.3	5,775	0.31285	1,806.71
KAYBOB SOUTH	2020	CONVENTURES LIMITED	64A	3.4	135	0.31281	42.23
KAYBOB SOUTH	2020	NORCEN ENERGY RESOURCES LIMITED	031	12.0	481	0.31285	150.48
KAYBOB SOUTH	2020	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	6,587.9	263,690	0.31285	82,495.41
KAYBOB SOUTH	2020	MOBIL OIL CANADA, LTD.	057	12.0	481	0.31285	150.48
KAYBOB SOUTH	2020	PETRO-CANADA EXPLORATION INC.	246	25.6	1,023	0.31285	320.05
KAYBOB SOUTH	2020	UNION OIL COMPANY OF CANADA LIMITED	028	984.6	39,407	0.31285	12,328.48
KAYBOB SOUTH	2020	WESTERN DECALTA PETROLEUM (1977) LIMITED	019	11.8	471	0.31285	147.35
KAYBOB SOUTH	2020	PLACER DEVELOPMENT LIMITED	098	2.8	113	0.31283	35.35
KAYBOB SOUTH	2020	CANADIAN SUPERIOR OIL LTD.	025	551.1	22,059	0.31285	6,901.16
KAYBOB SOUTH	2020	CHEVRON STANDARD LIMITED	045	1,628.7	65,188	0.31285	20,394.07
KAYBOB SOUTH	2020	GULF CANADA RESOURCES INC.	002	177.5	7,106	0.31285	2,223.11
KAYBOB SOUTH	2020	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	3,286.4	131,532	0.31285	41,149.78
KAYBOB SOUTH	2020	MOBIL OIL CANADA, LTD.	057	307.9	12,325	0.31285	3,855.67
KAYBOB SOUTH	2020	UNION OIL COMPANY OF CANADA LIMITED	028	3,286.2	131,532	0.31285	41,149.78
KAYBOB SOUTH	2020	CHEVRON STANDARD LIMITED	045	1,989.8	77,880	0.31285	24,364.75
CAROLINE	2021	ALTANA EXPLORATION COMPANY	315	2,457.8	100,251	0.31285	31,363.53
JUDY CREEK	2022	ESSO RESOURCES CANADA LIMITED	007	1,011.8	50,083	0.31285	15,666.46
BIGSTONE	2023	AMOCO CANADA PETROLEUM COMPANY LTD.	060	9,511.2	355,632	0.31285	111,259.47
BIGSTONE	2023	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	1,575.1	58,896	0.31285	18,425.62
BIGSTONE	2023	ABERFORD RESOURCES LTD.	010	250.6	9,372	0.31285	2,932.03
BIGSTONE	2023	PETRO-CANADA EXPLORATION INC.	246	250.6	9,372	0.31285	2,932.03
BIGSTONE	2023	PETRO-CANADA ENTERPRISES INC.	218A	83.5	3,124	0.31285	977.35

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BRAZEAU EAST	2024	GULF CANADA RESOURCES INC.	002	6,729.1	268,993	0.31285	84,154.46
BRAZEAU EAST	2024	ESSO RESOURCES CANADA LIMITED	007	6,966.4	278,479	0.31285	87,122.16
BRAZEAU EAST	2024	MOBIL OIL CANADA, LTD.	057	6,966.4	278,479	0.31285	87,122.16
BRAZEAU EAST	2024	SHELL CANADA RESOURCES LIMITED	T03	6,073.5	242,786	0.31285	75,955.61
BRAZEAU EAST	2024	GULF CANADA RESOURCES INC.	002	3,130.4	125,137	0.31285	39,149.11
BRAZEAU EAST	2024	HOME OIL COMPANY LIMITED	006	1,440.3	57,575	0.31285	18,012.34
BRAZEAU EAST	2024	ESSO RESOURCES CANADA LIMITED	007	3,970.5	158,719	0.31285	49,655.24
BRAZEAU EAST	2024	MOBIL OIL CANADA, LTD.	057	3,970.5	158,719	0.31285	49,655.24
BRAZEAU EAST	2024	ESSO RESOURCES CANADA LIMITED	007	4,154.9	166,091	0.31285	51,961.57
BRAZEAU EAST	2024	MOBIL OIL CANADA, LTD.	057	4,154.9	166,090	0.31285	51,961.26
JUDY CREEK NORTH	2025	NORCEN ENERGY RESOURCES LIMITED	031	855.6	42,352	0.31285	13,249.82
JUDY CREEK NORTH	2025	NORCEN ENERGY RESOURCES LIMITED	031	183.6	7,399	0.31285	2,314.78
KAYBOB 11-36	2027	CONWEST PETROLEUM CORPORATION	AE7	636.6	26,078	0.31285	8,158.51
KASKAHIGAN	2029	AMOCO CANADA PETROLEUM COMPANY LTD.	060	3,559.6	152,339	0.31285	47,659.26
KASKAHIGAN	2029	CHEVRON STANDARD LIMITED	045	788.1	33,737	0.31285	10,554.62
KASKAHIGAN	2029	MOBIL OIL CANADA, LTD.	057	914.9	39,162	0.31285	12,251.83
STURGEON LAKE SOUTH	2030	AMERADA MINERALS CORPORATION OF CANADA L	001	2,533.2	106,145	0.31285	33,207.47
STURGEON LAKE SOUTH	2030	BP EXPLORATION CANADA LIMITED	039	782.7	32,796	0.31285	10,260.23
STURGEON LAKE SOUTH	2030	CHAMPLIN PETROLEUM COMPANY	236	45.5	1,907	0.31285	596.61
STURGEON LAKE SOUTH	2030	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	1,155.6	48,424	0.31285	15,149.45
STURGEON LAKE SOUTH	2030	HUSKY OIL OPERATIONS LTD.	086	974.7	40,841	0.31285	12,777.11
STURGEON LAKE SOUTH	2030	PEMBINA RESOURCES LIMITED	158	65.2	2,732	0.31285	854.70
STURGEON LAKE SOUTH	2030	SHELL CANADA RESOURCES LIMITED	T03	439.9	18,435	0.31285	5,767.39
STURGEON LAKE SOUTH	2030	TEXACO CANADA RESOURCES LTD.	017	854.4	35,802	0.31285	11,200.66
STURGEON LAKE SOUTH	2030	UNION OIL COMPANY OF CANADA LIMITED	028	1,155.6	48,424	0.31285	15,149.45
STURGEON LAKE SOUTH	2030	WESTERN DECALTA PETROLEUM (1977) LIMITED	019	65.2	2,732	0.31285	854.70
GOLD CREEK	2031	AMOCO CANADA PETROLEUM COMPANY LTD.	060	1,007.2	42,475	0.37495	15,926.13
GOLD CREEK	2031	NORCEN ENERGY RESOURCES LIMITED	031	36.9	1,554	0.31285	486.17
GOLD CREEK	2031	PETRO-CANADA EXPLORATION INC.	246	1,806.0	76,160	0.31285	23,826.65
GOLD CREEK	2031	PLAINS PETROLEUM LIMITED	A17	73.7	3,109	0.31285	972.65
GOLD CREEK	2031	SCURRY-RAINBOW OIL LIMITED	015	632.7	26,683	0.31285	8,347.78
GOLD CREEK	2031	CANTERRA ENERGY LTD.	L73	10.9	459	0.31285	143.60
GOLD CREEK	2031	BP EXPLORATION CANADA LIMITED	039	113.8	4,798	0.31285	1,501.06
GOLD CREEK	2031	NORCEN ENERGY RESOURCES LIMITED	031	5.5	230	0.31287	71.96
GOLD CREEK	2031	PETRO-CANADA EXPLORATION INC.	246	75.7	3,193	0.31285	998.93

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GOLD CREEK	2031	PETRO-CANADA EXPLORATION INC.	246	6,529.0	275,335	0.36150	99,534.47
GOLD CREEK	2031	PLAINS PETROLEUM LIMITED	A17	5.4	229	0.31284	71.64
GOLD CREEK	2031	SCURRY-RAINBOW OIL LIMITED	015	21.7	917	0.31286	286.89
BURNT TIMBER	2032	AMOCO CANADA PETROLEUM COMPANY LTD.	060	340.8	13,568	0.31285	4,244.75
BURNT TIMBER	2032	PLACER DEVELOPMENT LIMITED	****	454.4	18,090	0.31285	5,659.46
BURNT TIMBER	2032	KIDD CREEK MINES LTD.	T35	1,136.0	45,225	0.31285	14,148.64
BURNT TIMBER	2032	WESTHOMA OIL COMPANY	67A	340.8	13,568	0.31285	4,244.75
SIMONETTE NORTH	2033	QUASAR PETROLEUM LTD.	K90	766.0	32,489	0.31285	10,164.19
SIMONETTE NORTH	2033	OCELOT INDUSTRIES LTD.	L62	731.3	31,018	0.31285	9,703.98
VIRGINIA HILLS	2034	COME PETROLEUM LIMITED	C05	2.7	117	0.31282	36.60
VIRGINIA HILLS	2034	GULF CANADA RESOURCES INC.	G02	4.0	173	0.31283	54.12
VIRGINIA HILLS	2034	PENNZOIL PETROLEUMS, LTD.	P27	111.2	4,820	0.31285	1,507.93
VIRGINIA HILLS	2034	SHELL CANADA RESOURCES LIMITED	T03	1,237.2	53,631	0.31285	16,778.46
KAYBOB SOUTH NO. 3	2035	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	5,327.5	224,400	0.31285	70,203.54
KAYBOB SOUTH NO. 3	2035	CHEVRON CANADA LIMITED	C45	463.0	19,502	0.31285	6,101.21
KAYBOB SOUTH NO. 3	2035	CHEVRON STANDARD LIMITED	C45	10,006.1	421,468	0.31285	131,856.27
GILBY WEST	2037	MUSKETEER ENERGY LTD.	064	19.0	809	0.31284	253.09
GILBY WEST	2037	BLAIR OIL COMPANY	328	17.9	762	0.31285	238.39
GILBY WEST	2037	CANADA-CITIES SERVICE, LTD.	C62	59.6	2,541	0.31285	794.95
GILBY WEST	2037	CANADIAN SUPERIOR OIL LTD.	C25	33.0	1,407	0.31285	440.18
GILBY WEST	2037	DENISON MINES LIMITED	D49	35.6	1,520	0.31285	475.53
GILBY WEST	2037	CANNON, FRED G.	D48	1.1	47	0.31277	14.70
GILBY WEST	2037	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	17.2	734	0.31285	229.63
GILBY WEST	2037	LINCOLN-MCKAY DEVELOPMENT COMPANY LTD.	365	5.5	233	0.31283	72.89
GILBY WEST	2037	LUSCAR LTD.	D99	49.2	2,098	0.31285	656.36
GILBY WEST	2037	MARWOOD PETROLEUM LTD.	77A	1.1	44	0.31295	13.77
GILBY WEST	2037	NATOMAS EXPLORATION OF CANADA LTD.	A01	14.4	616	0.31286	192.72
GILBY WEST	2037	NEW YORK OILS LIMITED (N.P.L.)	207	6.1	260	0.31285	81.34
GILBY WEST	2037	NORCEN ENERGY RESOURCES LIMITED	031	49.2	2,098	0.31285	656.36
GILBY WEST	2037	PANCANADIAN PETROLEUM LIMITED	C26	179.2	7,642	0.31285	2,390.79
GILBY WEST	2037	PEMBINA RESOURCES LIMITED	158	49.2	2,098	0.31285	656.36
GILBY WEST	2037	PETRO-CANADA EXPLORATION INC.	246	518.0	22,106	0.31285	6,915.86
GILBY WEST	2037	PETRO-CANADA VENTURES.	218A	62.3	2,653	0.31285	829.99
GILBY WEST	2037	PRAIRIE OIL ROYALTIES COMPANY LTD.	222	3.6	155	0.31284	48.49
GILBY WEST	2037	TEXAS CRUDE OIL COMPANY	070	37.9	1,617	0.31284	505.87

STATEMENT OF:
ALBERTA AND SOUTHERN GAS CO. LTD.
EAST TOWER, ESSO PLAZA
425 FIRST STREET S.W.
CALGARY,ALBERTA T2P 3L8

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DELIVERY POINT DESC. AND CODE		PRODUCER NAME AND CODE		VOLUME	ENERGY	COS	AMOUNT
GILBY WEST	2037	TRICENTROL OILS LIMITED	223	5.8	247	0.31287	77.28
GILBY WEST	2037	HUSKY OIL OPERATIONS LTD.	086	486.8	20,772	0.31285	6,498.52
GILBY WEST	2037	LADD EXPLORATION COMPANY	H92	275.4	11,749	0.31285	3,675.67
GILBY WEST	2037	QUASAR PETROLEUM LTD.	K90	275.4	11,749	0.31285	3,675.67
GILBY WEST	2037	CANADIAN SUPERIOR OIL LTD.	025	395.1	16,855	0.31285	5,273.08
LEAFLAND	2040	MUSKETEER ENERGY LTD.	064	4.2	185	0.31281	57.87
LEAFLAND	2040	BOW VALLEY INDUSTRIES LTD.	243	167.8	7,393	0.31285	2,312.90
LEAFLAND	2040	ICG RESOURCES LTD.		303.0	13,350	0.31285	4,176.54
LEAFLAND	2040	DEKALB PETROLEUM CORPORATION	305	37.1	1,635	0.31285	511.51
LEAFLAND	2040	DENISON MINES LIMITED	049	17.9	789	0.31285	246.84
LEAFLAND	2040	NORCEN ENERGY RESOURCES LIMITED	031	46.6	2,053	0.31285	642.28
LEAFLAND	2040	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	038	45.4	2,000	0.31285	625.70
LEAFLAND	2040	ESSO RESOURCES CANADA LIMITED	007	7.8	344	0.31285	107.62
LEAFLAND	2040	J. M. HUBER CORPORATION	069	14.0	617	0.31284	193.02
LEAFLAND	2040	MOBIL OIL CANADA, LTD.	057	334.3	14,729	0.31285	4,607.97
LEAFLAND	2040	RANCHMEN'S RESOURCES (1976) LTD.	P63	20.3	894	0.31285	279.69
LEAFLAND	2040	DOME PETROLEUM LIMITED	005	473.8	20,876	0.31285	6,531.05
LEAFLAND	2040	NSM RESOURCES LTD.	KF1	433.2	19,087	0.31285	5,971.36
BELLOY	2043	ANDERSON EXPLORATION LTD.	K29	5,663.3	220,987	0.31285	69,135.78
DUNVEGAN	2043	AMERADA MINERALS CORPORATION OF CANADA L	001	3,350.9	136,150	0.31285	42,594.53
DUNVEGAN	2043	ANDERSON EXPLORATION LTD.	K29	64,686.1	2,628,214	0.31285	822,236.74
DUNVEGAN	2043	BOW VALLEY INDUSTRIES LTD.	243	76.8	3,121	0.31285	976.40
DUNVEGAN	2043	COLUMBIA GAS DEVELOPMENT OF CANADA LTD.	T65	483.1	19,629	0.31285	6,140.94
DUNVEGAN	2043	DOME PETROLEUM LIMITED	005	7,858.2	319,283	0.31285	99,887.68
DUNVEGAN	2043	DOME PETROLEUM LIMITED	005	76.8	3,121	0.31285	976.40
DUNVEGAN	2043	TOTAL PETROLEUMS (NORTH AMERICA) LTD.	D96	1,573.0	63,911	0.31285	19,994.56
DUNVEGAN	2043	UNION OIL COMPANY OF CANADA LIMITED	D28	4,425.9	179,824	0.31285	56,257.94
PIONEER	2046	AMOCO CANADA PETROLEUM COMPANY LTD.	060	252.9	10,267	0.31285	3,210.78
PIONEER	2046	APL OIL & GAS LTD.	380	349.2	14,172	0.31285	4,433.71
PIONEER	2046	CDC OIL & GAS LIMITED	P52	15.0	609	0.31284	190.52
PIONEER	2046	NORCEN ENERGY RESOURCES LIMITED	031	240.2	9,748	0.31285	3,049.66
PIONEER	2046	NORCEN ENERGY RESOURCES LIMITED	031	1,901.4	77,164	0.31285	24,140.75
KEG RIVER	2053	PETRO-CANADA EXPLORATION INC.	246	1,856.5	67,149	0.31285	21,007.57
KEG RIVER	2053	RESMAN HOLDINGS LTD.	L30	1,241.6	44,910	0.31285	14,050.09
KEG RIVER	2053	UNIVERSAL GAS CO. LTD.	L74	1,241.6	44,910	0.31285	14,050.09

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DELIVERY POINT DESC. AND CODE		PRODUCER NAME AND CODE		VOLUME	ENERGY	COS	AMOUNT
HINES CREEK	2059	ANDERSON EXPLORATION LTD.	K29	587.1	21,895	0.31285	6,849.85
WHITELAW	2075	FOREST OIL CORPORATION	254	472.3	17,829	0.31285	5,577.80
CARRINGTON EAST	2079	DOME PETROLEUM LIMITED	005	7,479.0	315,764	0.31285	98,786.77
EAGLE HILL	2081	HUDSON'S BAY OIL AND GAS COMPANY LIMITED	039	1,081.3	46,897	0.31285	14,671.72
WILLESDEN GREEN SALES	2112	DOME PETROLEUM LIMITED	005	15,823.0	604,911	0.31285	189,246.41
WILLESDEN GREEN SALES	2112	DOME PETROLEUM LIMITED	005	3,142.9	120,153	0.31285	37,589.87
WOKING (GPT)	7001	ANDERSON EXPLORATION LTD.	K29	2,571.1	100,952	0.31285	31,582.83
LOBSTICK (NUL)	9402	AMOCO CANADA PETROLEUM COMPANY LTD.	C60	9,113.0	374,962	0.31285	117,306.86
LOBSTICK (NUL)	9402	ANDEX OIL CO. LTD.	K13	50.8	2,091	0.31285	654.17
LOBSTICK (NUL)	9402	BP EXPLORATION CANADA LIMITED	039	497.8	20,484	0.31285	6,408.42
LOBSTICK (NUL)	9402	CANADA-CITIES SERVICE, LTD.	C62	2,396.2	98,592	0.31285	30,844.50
LOBSTICK (NUL)	9402	CANADIAN SUPERIOR OIL LTD.	C25	186.0	7,653	0.31285	2,394.24
LOBSTICK (NUL)	9402	FELMONT OIL CORPORATION	PC1	17.4	717	0.31286	224.32
LOBSTICK (NUL)	9402	ESSO RESOURCES CANADA LIMITED	C07	169.1	6,956	0.31285	2,176.18
LOBSTICK (NUL)	9402	PETRO-CANADA EXPLORATION INC.	246	1,365.3	56,176	0.31285	17,574.66
LOBSTICK (NUL)	9402	SHELL CANADA RESOURCES LIMITED	T03	276.5	11,375	0.31285	3,558.67
LOBSTICK (NUL)	9402	SHELL CANADA RESOURCES LIMITED	T03	497.8	20,484	0.31285	6,408.42
LOBSTICK (NUL)	9402	SHELL CANADA RESOURCES LIMITED	T03	719.2	29,594	0.31285	9,258.48
LOBSTICK (NUL)	9402	TEXACO CANADA RESOURCES LTD.	C17	1,347.9	55,461	0.31285	17,350.97
LOBSTICK (NUL)	9402	BRINCO OIL & GAS LIMITED	N77	221.4	9,110	0.31285	2,850.06
LOBSTICK (NUL)	9402	ENTEX PETROLEUMS LTD.	P29	147.6	6,073	0.31285	1,899.94
LOBSTICK (NUL)	9402	SIGNALTA RESOURCES LIMITED	R89	221.4	9,110	0.31285	2,850.06
LOBSTICK (NUL)	9402	BRINCO OIL & GAS LIMITED	N77	50.0	2,059	0.31285	644.16
LOBSTICK (NUL)	9402	SIGNALTA RESOURCES LIMITED	R89	50.1	2,060	0.31285	644.47
KEYSTONE (NUL)	9412	CANADA-CITIES SERVICE, LTD.	C62	275.7	9,927	0.31285	3,105.66
KEYSTONE (NUL)	9412	PETRO-CANADA EXPLORATION INC.	246	44.1	1,585	0.31285	495.87
KEYSTONE (NUL)	9412	SAMEDAN OIL OF CANADA INC.	313	33.0	1,188	0.31285	371.67
KEYSTONE (NUL)	9412	GETTY OIL (CANADA), LTD.	255	33.0	1,188	0.31285	371.67
			TOTALS	911,571.9	37,035,540		11,659,815.73

DETERMINATION 83-01 (PAG)
ALBERTA COST OF SERVICE
NATURAL GAS PRICING AGREEMENT ACT

APPLICATION

By application dated December 22, 1982, as amended by letter of January 7, 1983, Pan-Alberta Gas Ltd. (Pan-Alberta) requests approval for "... inclusion in its Alberta Cost of Service, each month, the carrying costs associated with its take or pay payments relating to the contract year beginning November 1, 1981 and ending October 31, 1982 ...".

The application states, in part:

> "Calculations indicate that the take or pay obligations will be in the order of 659 $10^6 m^3$ (23.4 Bcf). In addition, Pan-Alberta has allocated this take or pay equally amongst all contracts except for those where we have negotiated a reduced minimum annual volume obligation and solution gas contracts."

Under the assumption that take or pay payments are made on total deficiency gas of 659 $10^6 m^3$ (37.89 MJ/m^3) at 70.26¢/GJ, Pan-Alberta estimates the impact of the inclusion of carrying charges, when spread over 1983 annual purchases of 318.1 10^6 GJ, to be less than 1¢/GJ. When this amount is added to take or pay carrying charges for the preceding years, the impact on Pan-Alberta's 1983 Alberta cost of service is estimated to be slightly over 1¢/GJ.

It is further stated:

> "Further, we have been advised by Westcoast that as a result of the dramatic cutback of their export markets because of U.S. Border Price increases, Westcoast would experience a take or pay problem with their own producers. Therefore, Pan-Alberta as a supplier to Westcoast, will be put into take or pay by a minimum of some fifty-seven percent for the contract year ending December 31, 1982, which translates to a further reduction in sales by Pan-Alberta of 688 $10^6 m^3$ (24.4 Bcf). Negotiations with Westcoast are currently going on with respect to payments for take or pay."

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To minimize the take or pay obligation for 1981/82 contract year, Pan-Alberta reports that it has performed production tests and issued cutbacks where performance fell below contract levels; invoked force majeure provisions when unable to accept gas deliveries; assigned zero nominations once minimum annual obligations were satisfied; monitored supply/demand balance and take or pay exposure on a daily basis; credited producer shortfalls to minimum annual volume obligations; arranged gas exchanges to circumvent loss of markets; and obtained additional sales within Alberta.

By letter dated January 7, 1983, Pan-Alberta requests that its application be amended as follows in order to facilitate its 1983 take or pay financing:

"(i) that carrying costs, being costs incurred in financing take or pay payments, be eligible for inclusion in Alberta cost of service during the term of the take or pay financing, and

(ii) that Pan-Alberta be permitted to include in its Alberta cost of service any Producer repayments due under Pan-Alberta's take or pay advance payment arrangement and not received during the term of the take or pay financing."

DECISION

1. Carrying charges of separate and identifiable financing, for payments made pursuant to Pan-Alberta's take or pay obligations in respect of the 1981/82 contract year, are allowed in Pan-Alberta's Alberta cost of service until otherwise ordered by the Commission.

2. Carrying costs associated with take or pay payments that may be made for the 1981/82 contract year in a subsequent year, are allowed to be recovered through Alberta cost of service as and when such payments are made.

3. Pan-Alberta shall, in December 1983 and in December of each year thereafter, provide such information as may be required by the Commission to assess the continued necessity of Pan-Alberta to maintain the financing for take or pay payments and the continued prudency of contract management.

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4. Subject to paragraph No. 3, recovery of take or pay carrying costs is allowed during the term of the financing.

5. If, upon application, Pan-Alberta demonstrates to the Commission's satisfaction that it has exercised prudent contract management, and that it cannot by continued prudent contract management obtain recovery of a take or pay payment, the Commission will allow the amount of the unrecoverable payment in Alberta cost of service.

REASONS

The Commission considers that the take or pay financing costs qualify under the Natural Gas Pricing Agreement Regulation (A.R.119/82) as being "... considered just and reasonable by the Commission in respect of costs incurred by a person, whether or not the person is the original buyer, to finance payments made to or for the benefit of a producer in respect of gas not taken by the original buyer under a gas sales contract for which the producer was nevertheless entitled to be paid."

In reviewing the circumstances giving rise to Pan-Alberta's take or pay position for the contract year ended October 31, 1982, the Commission is satisfied that the situation did not result from imprudent actions of Pan-Alberta. Pan-Alberta has acted in a diligent manner to minimize take or pay obligations through prudent contract management and by pursuing new markets.

The Commission has also assessed and is satisfied of the continued necessity for Pan-Alberta to maintain financing for take or pay payments made in respect of the 1977/78, 1978/79, 1979/80 and 1980/81 contract years.

The Commission has in the past allowed recovery of carrying costs of take or pay payments on the basis that they are costs attributable to the acquisition of gas which are not recoverable by an original buyer under the provisions of gas sales contracts. When it is determined that a take or pay payment cannot be recovered, even after the exercise of prudent contract management, the resulting cost to the original buyer should then be considered a cost attributable to the acquisition of gas.

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In determining prudent contract management, the Commission would consider the prudency of the management of all gas sales contracts of the original buyer and would, among other things, assess the prudency of contracting for additional supplies while take or pay payments are outstanding.

Pan-Alberta has not in its application addressed the issue of how take or pay payments received by Pan-Alberta from its gas purchasers should affect take or pay carrying costs or should otherwise affect Alberta cost of service. However, the Commission will require Pan-Alberta to report any such payments and may amend this Determination or other Determinations as it considers just and reasonable.

DATED THIS 14th day of January, 1983 at Calgary, Alberta.

D. C. Hetland
Secretary and Solicitor